

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A printing apparatus having a detach charging system, comprising:

a processor; and

a detach charger operatively connected to said processor;

wherein a programmed signal from said ~~computer~~ processor enables or disables said detach charger in response to a sheet weight of a sheet of paper fed into said printing apparatus.

2. (Original) The printing apparatus of claim 1, wherein said detach charging system further comprises:

a feeder to store sheets of paper, said sheets of paper comprising at least one sheet having a sheet weight; and

an interface having an input device and a display, said interface configured for receiving an inputted sheet weight limit, said interface further configured to access a menu system having a catalog of sheet attributes of said at least one sheet, said catalog of sheet attributes configured to allow a user to selectively enable said detach charger for said at least one sheet.

3. (Original) The printing apparatus of claim 2, wherein said detach charging system further comprises:

a marking engine comprising a central processing unit (CPU) having a memory to store said sheet weight limit;

said marking engine operatively connected to said feeder to receive said at least one sheet from said feeder;

said CPU operatively connected to said interface to receive said sheet weight limit from said interface; and

and detach charger operatively connected to receive said programmed signal from said CPU.

4. (Original) The printing machine of claim 3, wherein said programmed signal enables said detach charger when said sheet weight of said at least one sheet is less than or equal to said sheet weight limit.

5. (Original) The digital printing machine of claim 3, wherein said programmed signal disables said detach charger when said sheet weight of said at least one sheet is greater than said sheet weight limit.

6. (Original) A printing machine having a detach charging system, comprising:
a computer; and
a detach charger operatively connected to said computer;
wherein a programmed signal from said computer enables or disables said detach charger in response to an attribute of a sheet of paper fed into said printing machine.

7. (Original) The printing machine of claim 6, wherein said detach charging system further comprises:
a feeder to store sheets of paper, said sheets of paper comprising at least one sheet having said attribute; and
an interface having an input device and a display, said interface configured for receiving an inputted attribute, said interface further configured to access a menu system having catalog of sheet attributes of said at least one sheet, said catalog of sheet attributes configured to allow a user to selectively detach said at least one sheet.

8. (Original) The printing machine of claim 6, wherein said computer comprises:

a marking engine comprising a central processing unit (CPU)
having a memory to store said attribute of said at least one sheet;
said marking engine operatively connected to receive said at least
one sheet from said feeder;
said CPU operatively connected to receive said attribute of said at
least one sheet from said interface; and
said detack charger operatively connected to receive said
programmed signal from said CPU.

9. (Original) The printing machine of claim 8, wherein said
programmed signal enables said detack charger when said inputted attribute
matches a "detack" attribute of said at least one sheet.

10. (Original) The printing machine of claim 8, wherein said
programmed signal disables said detack charger when said inputted attribute
matches a "no detack" attribute of said at least one sheet.

11. (Original) A printing machine having a detack charging
system, comprising:
a feeder to store sheets of paper, said sheets of paper comprising at
least one sheet having a sheet weight;
an interface having an input device and a display, said interface
configured for receiving a sheet weight limit, said interface further configured to
access a menu system having a catalog of sheet attributes of said at least one
sheet, said catalog of sheet attributes configured to allow a user to selectively
detack said at least one sheet; and
a marking engine comprising a central processing unit (CPU)
having a memory to store said sheet weight limit and a detack charger, said
marking engine operatively connected to receive at least one sheet from said
feeder, said CPU operatively connected to receive said sheet weight limit from
said interface, and said detack charger operatively connected to receive a first and
a second signal from said CPU,

where said CPU provides said first signal when said sheet weight of said at least one sheet is less than or equal to said inputted sheet weight limit, and said detach charger is enabled in response to said first signal, and

where said CPU provides said second signal when said sheet weight of said at least one sheet is greater than said inputted sheet weight limit, and said detach charger is disabled in response to said first signal.

12. (~~Original~~ Currently Amended) A method of detach charging in an image-forming machine, comprising:
receiving a sheet [a] of paper from a feeder;
said sheet of paper having a sheet weight;
configuring an interface to receive a sheet weight limit;
storing said sheet weight limit in a memory of central processing unit (CPU);
configuring said interface to access a menu system;
said menu system having a catalog of sheet attributes of said sheet of paper;
configuring said catalog of sheet attributes to allow a user to selectively detach said sheet of paper;
connecting said CPU to a detach charger for receiving an enable and disable signal;
generating said enable signal from said CPU when said sheet weight is less than or equal to said sheet weight limit and enabling said detach charger; and
generating said disable signal from said CPU when said sheet weight is greater than said sheet weight limit and disabling said detach charger.

13. (~~Original~~ Currently Amended) A method of detach charging in an image-forming machine, comprising:
receiving a sheet [a] of paper from a feeder;
said sheet of paper having a sheet weight;
configuring an interface to receive a sheet weight limit;

BEST AVAILABLE COPY

generating an enable signal from a central processing unit (CPU) when said sheet weight is less than or equal to said sheet weight limit and enabling a detach charger; and

generating a disable signal from said CPU when said sheet weight is greater than said sheet weight limit and disabling said detach charger.

14. (Original) The method of detach charging in an image-forming machine of claim 13 further comprising storing said sheet weight limit in memory of said CPU.

15. (Original) The method of detach charging in an image-forming machine of claim 13 further comprising configuring said interface to access a menu system, said menu system having a catalog of sheet attributes of said sheet of paper.

16. (Original) The method of detach charging in an image-forming machine of claim 13 further comprising connecting said CPU to said detach charger for receiving an enabled and disable signal.

17. (Original) The method of detach charging in an image-forming machine of claim 15 further comprising configuring said interface to enable said detach charger for a specific sheet of paper.

18. (Original) The method of detach charging in an image-forming machine of claim 13 further comprising configuring said interface to enable said detach charger for a specific sheet of paper in a specific feeder.

19. (Original) The method of detach charging in an image-forming machine of claim 13 further comprising configuring said interface to enable said detach charger for all sheets of paper in a specific feeder.

20. (Original) A printing apparatus having a detach charging system, comprising:

a processor; and

a detach charger operatively connected to said processor;

wherein a programmed signal from said processor controls said detach charger in response to a sheet weight of receive sheet fed into said printing apparatus.

21. (Original) The printing apparatus of claim 20, wherein said receiver sheet is a sheet of paper.

22. (Original) The printing apparatus of claim 20, wherein said receiver sheet is a transparency.

23. (Original) The printing apparatus of claim 20, wherein said receiver sheet is a tabloid.

24. (Original) The printing apparatus of claim 20, wherein said programmed signal from said processor, comprises a signal to enable or disable said detach charger.

25. (Original) The printing apparatus of claim 20, wherein said detach charging system further comprises:

a feeder to store sheets of receiver sheets, said sheets of receiver sheets comprising at least one receiver sheet having a sheet weight; and

an interface having an input device and a display, said interface configured for receiving an inputted sheet weight limit, said interface further configured to access a menu system having a catalog of sheet attributes of said at least one receiver sheet, said catalog of sheet attributes configured to allow a user to selectively enable said detach charger for said at least one receiver sheet.

26. (Original) The printing apparatus of claim 25, wherein said detack charging system further comprises:

a marking engine comprising a central processing unit (CPU) having a memory to store said sheet weight limit;

said marking engine operatively connected to said feeder to receive said at least one receiver sheet from said feeder;

said CPU operatively connected to said interface to receive said sheet weight limit from said interface; and

said detack charger operatively connected to receive said programmed signal from said CPU.

27. (Original) The printing machine of claim 26, wherein said programmed signal enables said detack charger when said sheet weight of said at least one receiver sheet is less than or equal to said sheet weight limit.

28. (Original) The digital printing machine of claim 3, wherein said programmed signal disables said detack charger when said sheet weight of said at least one receiver sheet is greater than said sheet weight limit.

29. (Original) A method of detack charging in an image-forming machine, comprising:

receiving a receiver sheet from a feeder;

said receiver sheet having a sheet weight;

configuring an interface to receive a sheet weight limit; and

controlling said detack charger in response to a programmed signal from a central processing unit (CPU) based on said sheet weight limit.

30. (Original) The method of detack charging in an image-forming machine of claim 29 wherein controlling said detack charger, comprises:

generating an enable signal from said CPU when said sheet weight is less than or equal to said sheet weight limit and enabling said detack charger; and

generating a disable signal from said CPU when said sheet weight is greater than said sheet weight limit and disabling said detach charger.